

INTERNATIONAL SEARCH REPORT

International Application No
PCT/SG 03/00137

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03K4/501 H03K3/0231

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 497 127 A (SAUER DONALD J) 5 March 1996 (1996-03-05) column 5, line 63 -column 6, line 29; figures 1-3	1-3,6-10
Y	DE 43 40 924 A (TELEFUNKEN MICROELECTRON) 8 June 1995 (1995-06-08) figures 1,3	4,5
Y	SHAKIBA M H ET AL: "AUTOMATIC SWING CONTROL IN RELAXATION OSCILLATORS" IEEE JOURNAL OF SOLID-STATE CIRCUITS, IEEE INC. NEW YORK, US, vol. 33, no. 12, December 1998 (1998-12), pages 1979-1986, XP000880500 ISSN: 0018-9200 page 1979 -page 1982; figures 3,6,7	4,5
X	----- ----- -----	1-3,6,8, 9
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the International search report
12 February 2004	19/02/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Robinson, V

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 05, 30 June 1995 (1995-06-30) -& JP 07 038388 A (TOSHIBA CORP), 7 February 1995 (1995-02-07) abstract; figure 1 -----	1-10

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Information on patent family members

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 5497127	A 05-03-1996	DE	69529919 D1	17-04-2003
		DE	69529919 T2	11-12-2003
		EP	0797870 A1	01-10-1997
		JP	10510964 T	20-10-1998
		WO	9619041 A1	20-06-1996
DE 4340924	A 08-06-1995	DE	4340924 A1	08-06-1995
JP 07038388	A 07-02-1995		NONE	